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RAW SEQUENCE LISTING

DATE: 02/19/2003

PATENT APPLICATION: US/09/838,858

TIME: 13:15:41

Input Set : A:\09838858 sequence listing.txt

Output Set: N:\CRF4\02192003\I838858.raw

4 <110> APPLICANT: Mansfield, Gary S.
 5 Mitchell, Lloyd G.
 6 Garcia-Blanco, Mariano A.
 7 Walsh, Christopher E.
 8 Chao, Hengjun
 10 <120> TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR USE IN
 11 SPLICEOSOME MEDIATED RNA TRANS-SPLICING
 14 <130> FILE REFERENCE: A31304-BAD 072874.01
 16 <140> CURRENT APPLICATION NUMBER: 09/838,858
 17 <141> CURRENT FILING DATE: 2001-04-20
 19 <150> PRIOR APPLICATION NUMBER: 09/756,096
 20 <151> PRIOR FILING DATE: 2001-02-08
 22 <150> PRIOR APPLICATION NUMBER: 09/158,863
 23 <151> PRIOR FILING DATE: 1998-09-23
 25 <150> PRIOR APPLICATION NUMBER: 09/133,717
 26 <151> PRIOR FILING DATE: 1998-08-13
 28 <150> PRIOR APPLICATION NUMBER: 09/087,233
 29 <151> PRIOR FILING DATE: 1998-05-28
 31 <150> PRIOR APPLICATION NUMBER: 08/766,354
 32 <151> PRIOR FILING DATE: 1996-12-13
 34 <150> PRIOR APPLICATION NUMBER: 60/008,317
 35 <151> PRIOR FILING DATE: 1995-12-15
 37 <160> NUMBER OF SEQ ID NOS: 113
 39 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 41 <210> SEQ ID NO: 1
 42 <211> LENGTH: 132
 43 <212> TYPE: DNA
 44 <213> ORGANISM: Homo sapien
 46 <400> SEQUENCE: 1
 47 caggggacgc accaaggatg gagatgttcc agggcgctga tgatgttggt gattcttctt 60
 48 aaatcttttg tgatggaaaa ctttcttcg taccacggga ctaaactgg ttatgtagat 120
 49 tccattcaaa aa 132
 51 <210> SEQ ID NO: 2
 52 <211> LENGTH: 29
 53 <212> TYPE: DNA
 54 <213> ORGANISM: Corynebacterium diptheriae
 56 <400> SEQUENCE: 2
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 59 <210> SEQ ID NO: 3
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 61 <212> TYPE: DNA
 62 <213> ORGANISM: Corynebacterium diptheriae
 64 <400> SEQUENCE: 3

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ENTERED

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65 ggcgaagctt ggatccgaca cgatttcctg cacagg 36
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70 <213> ORGANISM: Artificial Sequence
72 <220> FEATURE:
73 <223> OTHER INFORMATION: Oligonucleotide primer
75 <400> SEQUENCE: 4
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77 ttcctgca 68
79 <210> SEQ ID NO: 5
80 <211> LENGTH: 60
81 <212> TYPE: DNA
82 <213> ORGANISM: Artificial Sequence
84 <220> FEATURE:
85 <223> OTHER INFORMATION: Oligonucleotide primer
87 <400> SEQUENCE: 5
88 ggaaaaaaaaa gaagaggtac cagtttagtac tcgagtcagg cccgggtgaa gcatctagag 60
91 <210> SEQ ID NO: 6
92 <211> LENGTH: 24
93 <212> TYPE: DNA
94 <213> ORGANISM: Artificial Sequence
96 <220> FEATURE:
97 <223> OTHER INFORMATION: Oligonucleotide primer
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102 <210> SEQ ID NO: 7
103 <211> LENGTH: 24
104 <212> TYPE: DNA
105 <213> ORGANISM: Artificial Sequence
107 <220> FEATURE:
108 <223> OTHER INFORMATION: Oligonucleotide primer
110 <400> SEQUENCE: 7
111 tcgagaacat tattataacg ttgc 24
113 <210> SEQ ID NO: 8
114 <211> LENGTH: 35
115 <212> TYPE: DNA
116 <213> ORGANISM: Artificial Sequence
118 <220> FEATURE:
119 <223> OTHER INFORMATION: Oligonucleotide primer
121 <400> SEQUENCE: 8
122 aattctctag atcaggcccg ggtgaagcac tcgag 35
124 <210> SEQ ID NO: 9
125 <211> LENGTH: 25
126 <212> TYPE: DNA
127 <213> ORGANISM: Artificial Sequence
129 <220> FEATURE:
130 <223> OTHER INFORMATION: Oligonucleotide primer
132 <400> SEQUENCE: 9

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Input Set : A:\09838858 sequence listing.txt

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137 <212> TYPE: DNA	
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143 <210> SEQ ID NO: 11	
144 <211> LENGTH: 16	
145 <212> TYPE: DNA	
146 <213> ORGANISM: Homo sapien	
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149 ctcttctttt ttttcc	16
151 <210> SEQ ID NO: 12	
152 <211> LENGTH: 18	
153 <212> TYPE: DNA	
154 <213> ORGANISM: Homo sapien	
156 <400> SEQUENCE: 12	
157 caacgttata ataatgtt	18
159 <210> SEQ ID NO: 13	
160 <211> LENGTH: 16	
161 <212> TYPE: DNA	
162 <213> ORGANISM: Homo sapien	
164 <400> SEQUENCE: 13	
165 ctgtgattaa tagcgg	16
167 <210> SEQ ID NO: 14	
168 <211> LENGTH: 16	
169 <212> TYPE: DNA	
170 <213> ORGANISM: Homo sapien	
172 <400> SEQUENCE: 14	
173 cctggacgcg gaagtt	16
175 <210> SEQ ID NO: 15	
176 <211> LENGTH: 51	
177 <212> TYPE: DNA	
178 <213> ORGANISM: Homo sapien	
180 <400> SEQUENCE: 15	
181 ctgggacaag gacactgctt cacccggtta gtagaccaca gccctgaagc c	51
183 <210> SEQ ID NO: 16	
184 <211> LENGTH: 17	
185 <212> TYPE: DNA	
186 <213> ORGANISM: Homo sapien	
188 <400> SEQUENCE: 16	
189 cttctgtttt ttttctc	17
191 <210> SEQ ID NO: 17	
192 <211> LENGTH: 16	
193 <212> TYPE: DNA	
194 <213> ORGANISM: Homo sapien	
196 <400> SEQUENCE: 17	
197 cttctgtatt attctc	16

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Input Set : A:\09838858 sequence listing.txt

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201 <212> TYPE: DNA
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205 gttctgtcct tgtctc 16
207 <210> SEQ ID NO: 19
208 <211> LENGTH: 29
209 <212> TYPE: DNA
210 <213> ORGANISM: Corynebacterium diptheriae
212 <400> SEQUENCE: 19
213 ggcgctgcag ggcgctgatg atgttggtg 29
215 <210> SEQ ID NO: 20
216 <211> LENGTH: 36
217 <212> TYPE: DNA
218 <213> ORGANISM: Corynebacterium diptheriae
220 <400> SEQUENCE: 20
221 ggcgaagctt ggatccgaca cgatttcctg cacagg 36
223 <210> SEQ ID NO: 21
224 <211> LENGTH: 21
225 <212> TYPE: DNA
226 <213> ORGANISM: Corynebacterium diptheriae
228 <400> SEQUENCE: 21
229 catcgtcata atttccttgt g 21
231 <210> SEQ ID NO: 22
232 <211> LENGTH: 20
233 <212> TYPE: DNA
234 <213> ORGANISM: Corynebacterium diptheriae
236 <400> SEQUENCE: 22
237 atggaatcta cataaccagg 20
239 <210> SEQ ID NO: 23
240 <211> LENGTH: 20
241 <212> TYPE: DNA
242 <213> ORGANISM: Corynebacterium diptheriae
244 <400> SEQUENCE: 23
245 gaaggctgag cactacacgc 20
247 <210> SEQ ID NO: 24
248 <211> LENGTH: 20
249 <212> TYPE: DNA
250 <213> ORGANISM: Homo sapien
252 <400> SEQUENCE: 24
253 cggcaccgtg gccgaagtgg 20
255 <210> SEQ ID NO: 25
256 <211> LENGTH: 30
257 <212> TYPE: DNA
258 <213> ORGANISM: Homo sapien
260 <400> SEQUENCE: 25
261 accggaattc atgaagccag gtacaccagg 30
263 <210> SEQ ID NO: 26

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Input Set : A:\09838858 sequence listing.txt

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264 <211> LENGTH: 20
265 <212> TYPE: DNA
266 <213> ORGANISM: Homo sapien
268 <400> SEQUENCE: 26
269 gggcaagggtg aacgtggatg                                20
271 <210> SEQ ID NO: 27
272 <211> LENGTH: 19
273 <212> TYPE: DNA
274 <213> ORGANISM: Homo sapien
276 <400> SEQUENCE: 27
277 atcaggagtgc gacagatcc                                19
279 <210> SEQ ID NO: 28
280 <211> LENGTH: 39
281 <212> TYPE: DNA
282 <213> ORGANISM: Artificial Sequence
284 <220> FEATURE:
285 <223> OTHER INFORMATION: Oligonucleotide primer
287 <400> SEQUENCE: 28
288 gcatgaattc ggtacatgg gggggttctc atcatcatc          39
290 <210> SEQ ID NO: 29
291 <211> LENGTH: 36
292 <212> TYPE: DNA
293 <213> ORGANISM: Artificial Sequence
295 <220> FEATURE:
296 <223> OTHER INFORMATION: Oligonucleotide primer
298 <400> SEQUENCE: 29
299 ctgaggatcc tcttacctgt aaacgcccac actgac          36
301 <210> SEQ ID NO: 30
302 <211> LENGTH: 38
303 <212> TYPE: DNA
304 <213> ORGANISM: Artificial Sequence
306 <220> FEATURE:
307 <223> OTHER INFORMATION: Oligonucleotide primer
309 <400> SEQUENCE: 30
310 gcatggtaac cctgcagggc ggcttcgtct gggactgg          38
312 <210> SEQ ID NO: 31
313 <211> LENGTH: 38
314 <212> TYPE: DNA
315 <213> ORGANISM: Artificial Sequence
317 <220> FEATURE:
318 <223> OTHER INFORMATION: Oligonucleotide primer
320 <400> SEQUENCE: 31
321 ctgaaagctt gttaacttat tatttttgac accagacc          38
323 <210> SEQ ID NO: 32
324 <211> LENGTH: 47
325 <212> TYPE: DNA
326 <213> ORGANISM: Artificial Sequence
328 <220> FEATURE:
329 <223> OTHER INFORMATION: Oligonucleotide primer

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/838,858

DATE: 02/19/2003
TIME: 13:15:42

Input Set : A:\09838858 sequence listing.txt
Output Set: N:\CRF4\02192003\I838858.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:54; N Pos. 57,58,59,60,61,62,63,64,65,66,67,68,69,70
Seq#:55; N Pos. 57,58,59,60,61,62,63,64,65,66,67,68,69,70
Seq#:56; N Pos. 57,58,59,60,61,62,63,64,65,66,67,68,69,70
Seq#:85; N Pos. 7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27
Seq#:85; N Pos. 28,29,30
Seq#:100; N Pos. 7,8,9,16,17,18